

Curriculum Vitae

Annie Khan (Dookhan)

Education:

University of Massachusetts, Boston, Ma, Bachelor of Science
Major: Biochemistry
Minor: Economics

Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

- *Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.
- *Writing of the Standard Operating Procedures (SOPs) and Protocols.
- *Responsible for the Quality Control and Quality Assurance of analytical instruments, reagents and controls/standards.
- *Maintenance and repairs of analytical instruments.
- *Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.
- *Qualified as an expert witness in Massachusetts Courts and U.S. District Court.
- *Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.
- *Appointed Assistant Analyst by Assistant Commissioner of Public Health.
- *Notary Public.

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

- *Completed proficiency training conducted by a member of the staff within the MBL Quality Control and Quality Assurance Department for the Food and Drug Administration.
- *Method Development for creating new techniques for the QC Dept. and FDA.
- *Writing, revising and reviewing the Standard Operating Procedures (SOPs).
- *Trained and supervised new chemists and interns for the department.
- *Routine QC testing of products for the FDA.
- *Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.
- *Calibration, preventive maintenance, QC and QA of analytical instrumentation.
- *Complete testing of chemicals for Vendor Validation Project for the FDA.
- *Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

Additional Courses:

Department of Justice – Forensics Professionals

Introduction to Forensic Drug Chemistry
Chemical Spot Test and Mechanism for Illicit Drugs
Forensic Mass Spectrometry
Forensic Science 101: An Introduction
Fundamentals of Forensic Questioned Documents

Perspectives in Expert Testimony
Evidence Analysis
Ethics in Forensic Science
Transition to Leadership
Fundamentals of Forensic Toxicology

Additional Trainings:

Good Laboratory Practice/Good Manufacturing Practice (GLP/GMP) training with Massachusetts Biologic Laboratory.
Quality Control/Quality Assurance (QC/QA) training according to FDA Codes and Regulations.
Gas Chromatography (GC) and Gas Chromatography/Mass Spectrometry (GC/MS) trainings with Agilent Technologies and Restek.
High Power Liquid Chromatography (HPLC) and HPLC/MS/MS trainings with Waters Cooperation.
Fourier Transform Infrared Spectroscopy (FTIR) training with Spectros and Spectrum One.
Ultraviolet–Visible Spectroscopy (UV-Vis) training with Agilent Technologies and Beckman.
Total Organic Carbon Analyzer (TOC) training with MBL and Sievers.

Associations:

American Chemical Society (ACS)
Northeastern Association of Forensics Science (NEAFS)